

## Message Text

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ORIGIN LAB-06

INFO OCT-01 EUR-06 ADP-00 CIAE-00 COME-00 EB-05 INR-10

NSAE-00 RSC-01 SIL-01 USIA-12 PRS-01 PA-02 /045 R

66606

DRAFTED BY:LABOR:IKE GOLDEN

APPROVED BY:EUR:D GOOTT

LABOR:G HOLMES

USIA:G CALLOWAY

STATE:E SEGALL

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R 201431Z JUL 73

FM SECSTATE WASHDC

TO AMCONSUL ZAGREB

INFO AMEMBASSY BELGRADE

UNCLAS STATE 142739

E. O.: 11652: N/A

TAGS: YO

SUBJ: LABOR MISSION ZAGREB FAIR

REF: ZAGREB 395 BELGRADE 3219

WILL POST REVIEW THE DEPARTMENT OF LABOR  
TOPICAL OUTLINE WITH LOGAR OF SAFETY INSTITUTE FOR COMMENT  
AND /OR ACCEPTANCE ASAP. APPROACH CAN BE BROADENED.  
SEMINAR LECTURERS ARE NOW DEVELOPING MOST SOPHISTICATED  
LECTURE POSSIBLE ON NOISE, VIBRATION, HEAT AND LIGHT.

NOISY OCCUPATIONAL ENVIRONMENTS

I. PHYSICAL, PHYSIOLOGICAL AND PSYCHOLOGICAL BASES OF  
SOUND AND HEARING

A. PHYSICAL SOUND

B. PHYSIOLOGICAL BASES OF HEARING

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C. PSYCHOLOGICAL SOUND

## II. UNDESIRABLE EFFECTS OF NOISE

### A. DISRUPTIVE TO TASK PERFORMANCE AND COMMUNICATIONS

### B. IMPAIRMENT OF HEARING

## III. CURRENT AND PROPOSED OCCUPATIONAL SAFETY AND HEALTH REQUIREMENTS FOR WORK IN NOISY ENVIRONMENTS

### A. PERMISSABLE NOISE EXPOSURE LEVELS

### B. HEARING CONSERVATION PROGRAMS

### C. EVALUATION OF HEARING LOSS

## IV. DESIGN FACTORS FOR CONTROL OF OCCUPATIONAL NOISE

### A. SPECIFICATION, SELECTION AND SUBSTITUTION OF EQUIPMENT PROCESSES AND FACILITIES

### B. REDUCTION OF VIBRATION RESPONSE THROUGH DAMPING

### C. REDUCTION OF TRANSMISSION THROUGH VIBRATION ISOLATION

### D. ABSORPTION OF AIRBORNE SOUND ENERGY

### E. INTAKE AND EXHAUST SILENCERS

### F. INDIVIDUAL PERSONAL PROTECTIVE EQUIPMENT

## OCCUPATIONAL VIBRATION

## I. PHYSICAL BASIS OF VIBRATION

### A. DEFINITIONS AND CHARACTERIZATION OF FORCES

### B. METHODS AND INSTRUMENTATION

## II. PHYSICAL CHARACTERISTICS OF THE BODY

### A. ANATOMICAL ASPECTS

### B. PHYSICAL AND MECHANICAL TRANSMISSION CHARACTERISTICS

## III. HUMAN RESPONSE TO VIBRATION

### A. WHOLE BODY VIBRATION

### B. SEGMENTAL VIBRATION

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## IV. HUMAN TOLERANCE CRITERIA FOR VIBRATION EXPOSURE

## V. CONTROL OF VIBRATION HAZARDS

## HOT OCCUPATIONAL ENVIRONMENT

## I. PSYCHOMETRY AND MEASUREMENT OF THERMAL ENVIRONMENT

- A. AIR TEMPERATURE, HUMIDITY AND AIR VELOCITY
- B. THERMAL RADIATION

## II. THERMAL INDICES OF CURRENT INTEREST

- A. EFFECTIVE TEMPERATURE
- B. HEAT STRESS INDEX
- C. WET BULB GLOBE TEMPERATURE

## III. PHYSIOLOGICAL RESPONSE OF MAN WORKING IN THE HEAT

- A. HEAT BALANCE EQUATIONS PLURAL
- B. THERMO REGULATORY SYSTEMS
- C. HEAT INDUCED ILLNESS

## IV. CURRENT AND PROPOSED OCCUPATIONNAL SAFETY AND HEALTH REGULATIONS FOR WORK IN HOT ENVIRONMENTS

- A. REQUIRED THERMAL MEASUREMENTS
- B. WORK PRACTICES
- C. MEDICAL AND MONITORING REQUIREMENTS
- D. THRESHOLD LIMIT VALUES
- E. PROCESS HEAT VS. CLIMATIC HEAT

## V. DESIGN FACTORS FOR CONTROL OF OCCUPATIONAL HEAT

- A. ENGINEERING CONTROLS FOR RADIANT AND CONVECTIVE HEAT LOADS
- B. WORK SCHEDULES AND ADMINISTRATIVE CONTROLS
- C. CLOTHING AND PERSONAL PROTECTIVE EQUIPMENT

LIGHTING: QUALITY, QUANTITY AND PERFORMANCE  
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## THE PROCESS OF VISION

### ASPECTS OF LIGHTING

QUANTITATIVE ASPECTS  
UNITS AND DEFINITIONS  
SIZE RATIO AND FACTORS AFFECTING VISIBILITY OF OBJECTS  
EFFECTS OF AGE  
EYE STRAIN AND FATIGUE

QUALITATIVE ASPECTS  
DISTRIBUTION OF LUMINANCE  
GLARE AND ITS AVOIDANCE  
DIRECTION OF LIGHT

COLORED LIGHT

RECOMMENDED LEVELS OF LIGHTING

CONTROVERSY OVER LIGHT INTENSITIES  
CHANGES OF RECOMMENDED LIGHTING OVER TIME  
LIGHT INTENSITY AND AND PERFORMANCE  
NEW APPROACHES ADOPTED BY CIE  
SPECIAL PURPOSE LIGHTING

DIFFERENT METHODS AVAILABLE  
EXAMPLES OF SPECIFIC PROBLEMS

BIO-DATA MISSION MEMBERS

DR. JERRY D. RAMSEY - AGE 39, PH.D TEXAS TECH, B.S. AND M.  
S. TEXAS A AND M. ASSOCIATE PROFESSOR TEXAS TECH UNIVERSITY;  
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SANDIA CORP., CURTIS WRIGHT, FELLOWSHIPS NATIONAL AERO AND  
SPACE ADMINISTRATION ON BIOMECHANICS. PARTICIPATED OR CONDUCTED  
RESEARCH ON 16 PROJECTS IN CONJUNCTION WITH UNIVERSITIES ON  
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HUMAN ENGINEERING.

MR. MOHAMED AYOUB - AGE 42, PH.D AND M.S., STATE UNIVERSITY  
OF IOWA, INDUSTRIAL ENGINEERING, B.S. UNIVERSITY OF CAIRO,  
PROFESSOR INDUSTRIAL ENGINEERING AND STATISTICS, COORDINATOR  
BIO TECHNOLOGY, TEXAS TECH. CONSULTANT TO: MAYTAG CO.,  
LUBBOCK MANUFACTURING, WESTERN ELECTRIC, EASTMAN KODAK, INGERSOL  
RAND CO. IN BIOMECHANICS AND HEW. MEMBER AND OFFICER,  
AMERICAN INSTITUTE OF INDUSTRIAL ENGINEERS. CONDUCTED RESEARCH  
ON TWELVE BIOMECHANICS TOPICS FOR UNIVERSITIES AND RESEARCH  
GRANTS. AUTHOR TWENTY-FIVE ARTICLES AND PUBLICATIONS.

DR. RALPH J. VERNON - AGE 53, PH.D, STATE UNIVERSITY OF IOWA;  
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DEPARTMENT OF INDUSTRIAL ENGINEERING, TEXAS A AND M UNIVERSITY.  
DIRECTOR, OCCUPATIONAL HEALTH AND SAFETY INSTITUTE, TEXAS  
ENGINEERING EXPERIMENT STATION, TEXAS A AND M UNIVERSITY.  
OTHER WORK EXPERIENCES; SOUTHERN MANUFACTURING CO., UNIVERSITY OF  
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CONSULTANT TO NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND  
HEALTH, U.S.- HEW; OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION,

U.S. DOL; PROFESSIONAL EXAMINATION SERVICE; BOARD OF CERTIFIED SAFETY PROFESSIONALS; VARIOUS AMERICAN MANUFACTURERS; VARIOUS STATE ACTIVITIES. CONDUCTED RESEARCH IN MANY INDUSTRIAL HYGIENE AND SAFETY ENGINEERING PROBLEMS. AUTHOR OF TWO BOOKS AND SEVERAL SIGNIFICANT ARTICLES. EXTENSIVE PROFESSIONAL EXPERIENCE IN INDUSTRY.

DETAILED BIO-DATA OR VITA CONTAINING PUBLICATIONS PROJECTS AIR-POUCHED TODAY. SEMINAR ORGANIZATION AND OTHER DETAILS WILL FOLLOW. ETA OF MISSION SEPT 3. REQUEST HOTEL ARRANGEMENTS FOR MISSION AND GOV'T OFFICER. RUSH

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## Message Attributes

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